

To: CN=Tom Hagler/OU=R9/O=USEPA/C=US@EPA[]
From: CN=Karen Schwinn/OU=R9/O=USEPA/C=US
Sent: Wed 12/23/2009 6:44:03 PM
Subject: Fw: delta flow criteria

Fyi
Sent by EPA Wireless E-Mail Services

----- Original Message -----

From: "Les Grober" [lgrober@waterboards.ca.gov]
Sent: 12/23/2009 09:30 AM PST
To: Bruce Herbold
Cc: Karen Schwinn; "Phillip Crader" <PCrader@waterboards.ca.gov>
Subject: Re: delta flow criteria

Bruce,

Thanks for being part of this effort. Given the sensitivity of the topic and the scrutiny Board staff will be under during this process I will not offer feedback to your initial thoughts other than to say I appreciate you already starting to ask questions that we may need to answer if we are to come up with useful criteria.

We may want to meet with at least some of the experts we are trying to assemble for the technical introduction for the proceeding (per page A5 of the notice) as soon as next Wednesday 12/30. Would you be available if we do so? Aside from that, I'd like to confirm your participation in this panel, and also your availability on the proceeding dates- 3/22,23,24.

I expect that we will want to meet with you and others on the panel several times in January and February to help identify and develop a summary of exhibits that we would submit (attendance at the pre-hearing conference on 1/7 is not necessary).

Individuals that have agreed to work with us so far include:

Cliff Dahm
Bill Bennet
Peter Moyle
Jay Lund
Matt Nobriga
Fred Feyrer

Others we would like to work with, but have not confirmed include:

Ted Sommer
Wim Kimmerer

Are there others you would suggest?

Les

>>> <Herbold.Bruce@epamail.epa.gov> 12/22/2009 5:04 PM >>>
Les,

I would be pleased to help in this effort. Let me know how you imagine using me.

As a nudge of the ball from my side of the court, I have tried to put some of my thoughts in order and have come up with three main things -

1. the numbers need to directly address the variance that characterizes

California's climate, like the current X2 standard does for 5 months of the year, although I am sure there are as many ways of doing this logically as there are people who contemplate it.

2. what are the goals of the outflow numbers? I see four possibilities:

1) establishing 'pseudo-natural' flow regimes, as was attempted via the X2 standard for the months of Feb-June, with the general view that native species will benefit from a more natural hydrograph
2) Providing hydrological conditions targeted for desirable species.

The biological opinions' use of first flush indicators, temperature cues and fish data to address Old and Middle river flows are examples of this.

3) Providing habitat conditions that are unsupportive of undesirable species. Variable salinities discussed by the PPIC and to some extent in the smelt BO could reduce the invasibility of areas of the upper estuary by enforcing conditions of varying salinity. Many undesirable species are more strictly demanding of freshwater conditions than many desirable species.

4) Produce habitat conditions that compensate for the loss of habitat conditions elsewhere or place habitat for desirable species in areas that are less subject to other stressors. To some extent the smelt BO call for variable fall salinities is an example of this. BDCP could achieve a lot of these goals at lower levels of outflow

3. Delta outflow, per se, cannot affect conditions in the delta that are the target of BDCP and any other planning efforts that might try to use

these numbers. So delta outflow targets must partly be deduced from their impacts on delta inflow and other non-outflow effects.

Those are just my own thoughts but perhaps they could start a conversation about where you agree, or where I have missed something, or where I am out of line with your thoughts.

looking forward to working with you,

Bruce

From:
"Les Grober" <lgrober@waterboards.ca.gov>
To:
Bruce Herbold/R9/USEPA/US@EPA
Cc:
Karen Schwinn/R9/USEPA/US@EPA
Date:
12/21/2009 04:56 PM
Subject:
delta flow criteria

Bruce,

I understand from Karen that you are available to work with us on development of delta flow criteria per the attached notice (in particular see page A-5 re Board staff's technical introduction). I want to assemble a panel of experts to inform the process. Please give me a call to confirm your interest and availability, and so we talk a bit more about

what we have in mind.

Thanks, Les

Leslie F. Grober
Environmental Program Manager
Chief, Hearings and Special Programs Section
Division of Water Rights
State Water Resources Control Board

Joe Serna, CalEPA Building
1001 I Street
P.O. Box 2000
Sacramento, CA 95812-2000

Telephone: (916) 341-5428
Fax: (916) 341-5400
E-mail: lgrober@waterboards.ca.gov

----- Message from lyris@swrcb18.waterboards.ca.gov on Thu, 17 Dec 2009

11:30:46 -0800 -----

To:
Les Grober <lgrober@waterboards.ca.gov>
Subject:
Notice of Informational Proceeding and Pre-proceeding Conference -
Delta
Flow Criteria

Attached, please find a Notice of Informational Proceeding and
Pre-proceeding Conference. The purpose of the informational proceeding
is

for the State Water Resources Control Board to receive scientific
information in order to develop new flow criteria for the
Sacramento-San

Joaquin Delta ecosystem necessary to protect public trust resources
pursuant to the board's public trust obligations in compliance with
Senate

Bill No. 1 of the 2009-2010 Seventh Extraordinary Session (Stats. 2009

(7th Ex. Sess.) ch 5, § 39) (SB 1). The pre-proceeding conference is
scheduled for January 7, 2010, and the informational proceeding is
scheduled for March 22, 23, and 24, 2010. Notices of Intent to Appear
at
this informational proceeding are due by January 5, 2010.

Questions regarding this proceeding should be directed to Phillip
Crader,
Senior Environmental Scientist, at (916) 341-5438 or
pcrader@waterboards.ca.gov, or Erin Mahaney, Senior Staff Counsel, at
(916) 341-5187 or emahaney@waterboards.ca.

Thank you,
Jeanine Townsend
Clerk to the Board
State Water Resources Control Board
1001 I Street. 24th Floor
Sacramento, CA 95814
Phone: (916) 341-5600
Fax: (916) 341-5620
E-mail: jtownsend@waterboards.ca.gov[attachment "SWRCB Delta Flow
Criteria

Notice _12-15-09 maml_.pdf" deleted by Bruce Herbold/R9/USEPA/US] This
is
a message from the State Water Resources Control Board.

You are currently subscribed to board_workshops as:
lgrober@waterboards.ca.gov
To unsubscribe send a blank email to
leave-board_workshops-31858J@swrcb18.waterboards.ca.gov